

# ABSTRACT OF THE DISCLOSURE

A test tube type discrimination apparatus includes first and second electronic cameras which pick up images of a plurality of test tubes, the first  
5 electronic camera picking up an image from an opening of each of the test tubes and the second electronic camera picking up an image from a side thereof, a pattern recognition unit which receives data of the images picked up by the first and second electronic  
10 cameras and extracts an edge of each of the images to recognize a test tube pattern of each of the test tubes including opening and side patterns of each of the test tubes, a standard pattern memory which stores the opening and side patterns of the test tubes as standard  
15 patterns, and a comparison determination unit which compares the test tube pattern and the standard patterns to determine a type of each of the test tubes.